

Sediment loading estimated using Rosgen BEHI method in field on ten distinct reaches. Pilot channel & riparian corridor improvement projects in this proposal are on “Downstream Telegraph (Casagrande)” and “Above Ueland Road” reaches, two of three most problematic reaches. These loading rates are very high, indicating the severe issues with bank and channel stability in certain sites. (Analysis by Karin Boyd for Pioneer Technologies, Mile Hi Conservation District/WRC, 2011).



Typical channel conditions on Casagrande property. Note narrow riparian corridor, scarce deep rooted plant cover, high bank erosion.



Photo of reach "Above Ueland Road." This is a pilot channel improvement site, which will involve grade control, soil lift bank protection and revegetation with livestock exclosure/water gaps.



SUBJECT

Brown's Gulch
Casagrande Property
plan view

BY

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DATE 10/6/2011

SHEET

OF

PROJECT NO. 10-04847-000

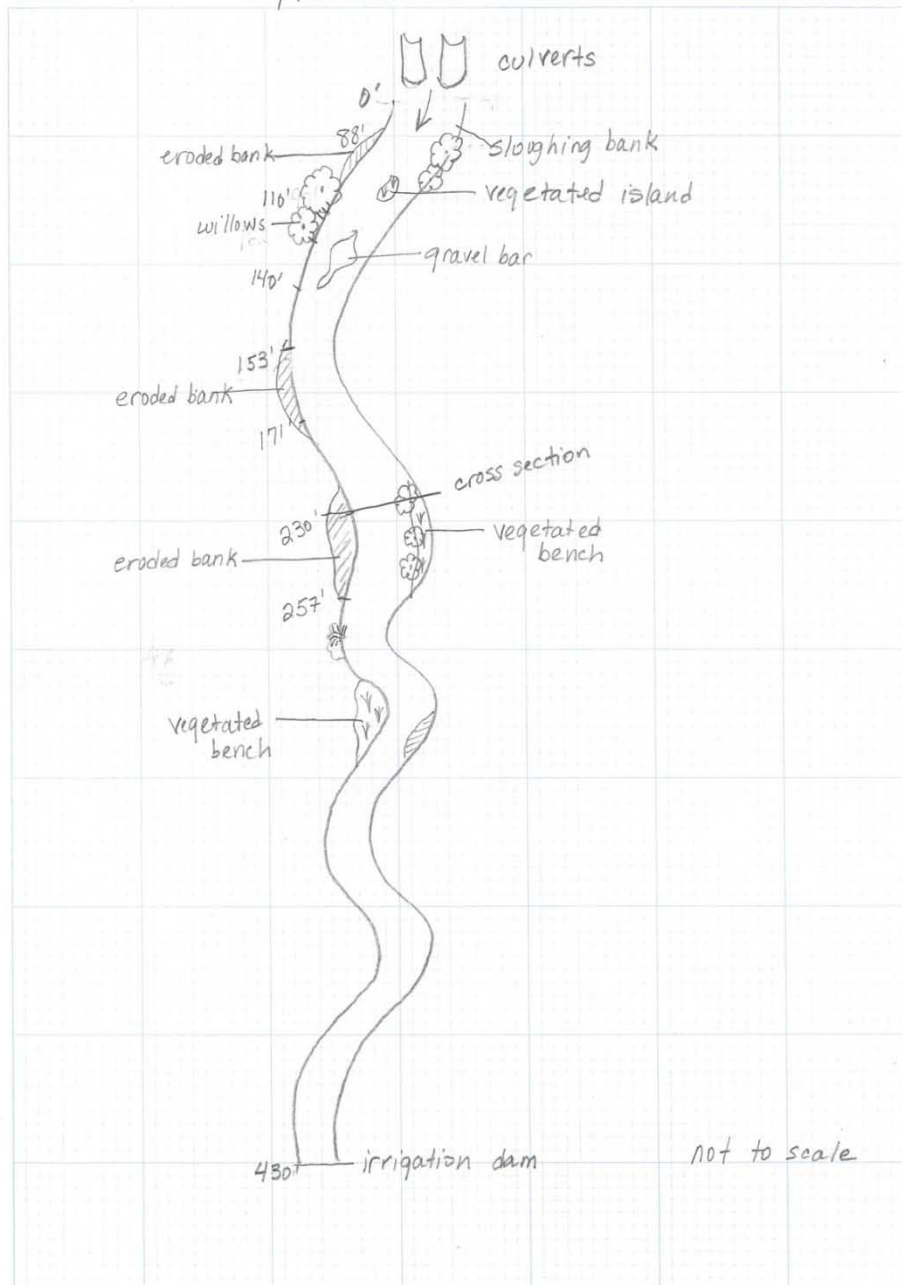


Diagram of site conditions on Casagrande where a combination of soil lift bank protection, revegetation and electric fencing will be applied on a pilot scale to stabilize the channel and banks. The undersized culverts will also be replaced.